Wednesday, May 13, 2026

# HiFill® TPE AD60A UV Black

**Techmer Polymer Modifiers - *Thermoplastic Elastomer***

Units SI

**Action** **Legend (Open)**

## General Information

| General | |
|---|---|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Additive | • UV Stabilizer |
| Features | • UV Stabilized |
| Appearance | • Black |
| Processing Method | • Injection Molding |

## Properties [1]

| Physical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.19 | g/cm³ | ASTM D792 |
| Molding Shrinkage - Flow (3.18 mm) | 1.0 to 1.5 | % | ASTM D955 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength (Yield) | 5.52 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 500 | % | ASTM D638 |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Durometer Hardness (Shore A) | 65 | | ASTM D2240 |

## Processing Information

| Injection | Nominal Value | Unit |
|---|---|---|
| Drying Temperature | 66 | °C |
| Drying Time | 2.0 to 4.0 | hr |
| Rear Temperature | 199 to 210 | °C |
| Middle Temperature | 210 to 221 | °C |
| Front Temperature | 218 to 229 | °C |
| Nozzle Temperature | 235 to 246 | °C |
| Processing (Melt) Temp | 216 to 246 | °C |
| Mold Temperature | 41 to 66 | °C |
| Injection Rate | Slow-Moderate | |
| Back Pressure | 0.345 to 0.689 | MPa |
| Screw Speed | Moderate | |

## Notes

[1] Typical properties: these are not to be construed as specifications.

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